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CORRES CONTROL  
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DUE DATE  
ACTION

2001 JUN 12 A 9 51

CORRESPONDENCE  
CONTROL

Department of Energy

ROCKY FLATS FIELD OFFICE  
10808 HIGHWAY 93 UNIT A  
GOLDEN COLORADO 80403-8200

JUN 11 2001

01 DOE-00740

DIST		ENC
BOGENBERGER, V.		
BOGNAR, E.	X	X
BRALSFORD, M.D.		
BURNS, T.F.		
CIAGLO, T.		
DECK, C.A.	X	X
DIETERLE, S.E.		
FERRERA, D.W.		
FERRI, M.S.		
FRASER, R.G.		
FULTON, J.C.		
GERMAIN, A.L.		
GIACOMINI, J.		
ISOM, J.H.		
LEONARD, R.C.		
MARTINEZ, L.A.	X	X
MOTES, J.L.		
NORTH, K.	X	X
PARKER, A.M.		
POWERS, K.P.		
RAAZ, R.D.		
RODGERS, A.D.		
SANDLIN, N.B.	X	X
SCOTT, G.K.		
SHELTON, D.C.	X	X
SPEARS, M.		
TRICE, K.D.		
TUOR, N.B.		
VOORHEIS, G.M.		
Butler, L.	X	X
Nininger, R.	X	X
Robbins, J.	X	X

Mr Charles McKay  
Church Ranch  
10050 Wadsworth Boulevard  
Westminster CO 80021

Dear Mr McKay

The Department of Energy Rocky Flats Field Office (RFFO) received and reviewed your letter of concern dated March 30 2001 regarding the Church Ranch water rights ditch (or Smart Ditch) and storage. A copy of your March 30 2001 letter was faxed to the Rocky Flats Coordinator at the City of Westminster and additional information about the February 28 2001 meeting was requested from the Coordinator. We received the enclosed letter in reply. RFFO staff evaluated existing radionuclide data from the vicinity of Smart Ditch and this letter summarizes the findings.

The Smart Ditch is outside the boundaries of any known areas of contamination and there is no hydrologic connection between Smart Ditch and other Rocky Flats Environmental Technology Site (Site) drainages. Soil data from the area are well below present radionuclide soil action levels. They are also below anticipated final soil action levels currently being discussed with stakeholders and regulators. A map of soil sample locations and values in the area of Smart Ditch specifically in Section 13 Township 2 South Range 70 West is included for your information. The range of values for soil samples taken in the vicinity of Smart Ditch in picocuries per gram (pCi/g) for radionuclides near Smart Ditch are as follows:

Plutonium (Pu 239/240)	0.0484 pCi/g to 0.3421 pCi/g
Americium (Am 241)	0.0152 pCi/g to 0.0514 pCi/g

Data available for isotopes of uranium (U 233/234 235 and 238) are also listed on the enclosed map.

There are no detailed studies specifically dealing with water from the Smart Ditch drainage. One sample event for total and dissolved Pu 239/240 and Am 241 at Pond D 1 and one groundwater sampling event from well B303089 were found in the Site's Soil Water Database (SWD). Well B303089 is located in the southeast corner of the Site near Indiana Street. Additionally, a surface water sample result from one sampling event on October 26 1992 from GS15 (located on Smart Ditch at the Smart Ditch/Woman Creek splitter box above Pond D 1) was retrieved from legacy monitoring data archives.

COR CONTROL X X  
ADMN RECORD  
PATS/130

Reviewed for Addressee  
Corres Control RFP

06/12/01 lah  
Date By

Ref Ltr #

DOE ORDER #5400 1

DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE



ADMIN RECORD  
SW-A-004320

Mr Charles McKay  
01 DOE-00740

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JUN 11 2001

The radionuclide results from these samples in picocuries per liter (pCi/L) are as follows

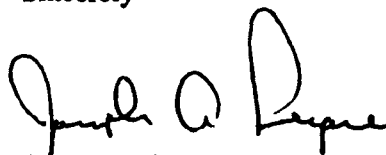
	<u>Pu 239/240</u>	<u>Am 241</u>
Pond D 1		
Total	0 000 pCi/L	0 005 pCi/L
Dissolved	0 003 pCi/L	0 003 pCi/L
Well B303089		
Total	0 001 pCi/L	
Gaging Station (GS) 15		
Dissolved	0 000 pCi/L	0 003 pCi/L

These results are well below the current Rocky Flats Cleanup Agreement water quality standards of 0 15 pCi/L for plutonium and americium. The data show no evidence that Smart Ditch water rights have been affected by activities at the Site. Based on the available soil and water data, the Site does not anticipate the need for any cleanup activities in the area, nor does the Site believe there are any additional measures that need to be taken to protect water quality in Smart Ditch.

Additional Rocky Flats data are available on the Site's website at [www.rfets.gov](http://www.rfets.gov) at the Environmental Data heading where information is displayed for air, water, and soil.

We would be glad to answer any additional questions you may have on this issue. Please let me know if I can be of further assistance, or contact John Rampe or my staff at (303) 966-6246.

Sincerely,



Joseph A. Legare  
Assistant Manager  
for Environment and Infrastructure

Enclosures

cc w/Encl  
J Rampe DAMEI RFFO  
G Hill AI RFFO  
N Castañeda ERWM RFFO  
S Schiesswohl AI RFFO  
J Stover AI RFFO  
L Butler K H  
R Ninninger K H



# WESTMINSTER

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CCDI

April 5 2001

Steven R. Schiesswohl  
Realty Officer Assets Management Division  
Rocky Flats Field Office  
US Department of Energy  
10808 Highway 93 Unit A  
Golden Colorado 80403 8200

C I J W in i  
D I  
I I I W k  
J I I I

Dear Mr. Schiesswohl

J J W I J A  
W I I C I a l  
S O I

J J 40 J  
I A N I S O I C I

This letter is in response to the issues you expressed concerning the meeting on February 28 2001 between Westminster City Manager Bill Christopher Water Resources and Treatment Manager Kelly DiNatale Water Resources Engineer Dan Strietelmeier and City Engineer Dave Downing with Charlie McKay Bruce Nickerson and Gregg Bradbury developers of property south of Rocky Flats. The following information is provided in order to clear up any misunderstandings that may have occurred concerning the purpose and information provided at the meeting. City staff who attended and participated in the meeting provided the information contained in this letter.

The purpose of the February 28 meeting was to discuss storm water/over detention/retention and stormwater bypasses of Standley Lake with Charlie McKay Bruce Nickerson and Gregg Bradbury. As part of the discussion, Mr. McKay expressed curiosity as to Westminster concerns with using Section 13 for the Northwest Parkway curve connecting Indiana to Highways 72 and 93. Westminster staff assured Mr. McKay that the City's primary concern was protecting Standley Lake and that as he knows Smart Ditch water goes into Standley Lake. Soil disturbance in Section 13 could result in soil erosion and movement of contamination into the drainage during storm events.

Information was shared that the Department of Energy had sent an Isotope Activities map for plutonium and americium sampling in Section 13 dated January 17 2001. Staff indicated to Mr. McKay that the map and supporting documents indicated that limited sampling had occurred in the early 90's with no follow up soil sampling since that time and that additional sampling should be required as part of the final closeout of the Buffer Zone. Staff's intention was not to raise issues of plutonium and americium contamination in Smart Ditch but to discuss mutual concerns with water protection water rights and what is unknown concerning Section 13 and Westminster's concerns with any disturbance of Section 13.

SHW



Steven R Schiesswohl  
April 5 2001  
Page 2

Westminster hopes that this background information is helpful to the Department of Energy in determining the events and conversations that occurred in relation to this meeting with Mr McKay Westminster did not provide Mr McKay with a copy of the surface soil isotope activity map for Section 13 at this meeting As was previously stated the purpose of this meeting was to discuss a stormwater management plan for the entire drainage basin not contamination concerns related to Section 13 or the Smart drainage

Please feels free to contact me at 303-430 2400 x2174 if you require further information The City of Westminster is more than happy to discuss any issues related to Section 13 Smart drainage and the Woman Creek drainage with the Department of Energy

Sincerely

Mary Harlow  
Rocky Flats Coordinator

cc John Rampe Department of Energy  
Joe Legare Department of Energy  
Norma Castenada Department of Energy  
Bill Christopher City Manager  
Ron Hellbusch Director Public Works and Utilities  
Kelly DiNatale Water Resources and Treatment Manager

